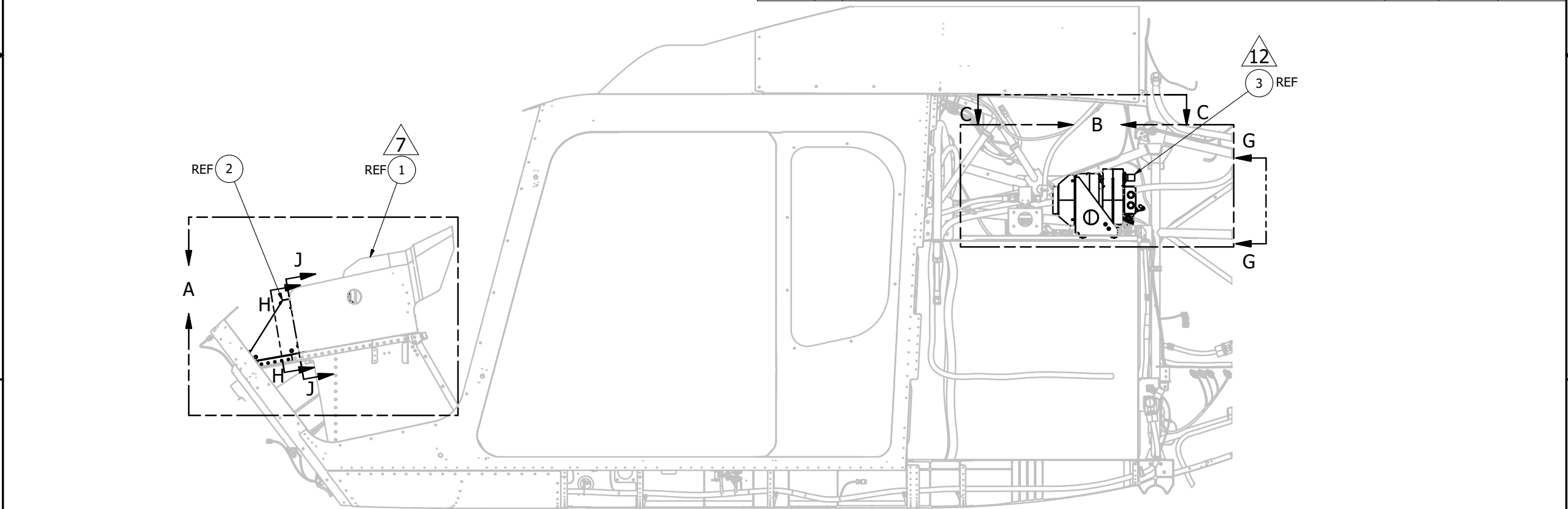


-3 INSTALLATION SHOWN

- NOTES:
- 1. TORQUE ALL FASTENERS PER BHT-ALL-SPM CHAPTER 2 UNLESS OTHERWISE SPECIFIED
  - 2. WET INSTALL RIVETS WITH PRIMER PER MIL-PRF-23377J TYPE I, CLASS N
  - 3. FOLLOW SURFACE PREPARATION AND FINISHING PROCEDURES IN BHT-ELEC-SPM CHAPTER 8 FOR ALUMINUM SURFACES. ALL ELECTRICAL BONDING AND GROUNDING IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 8-2 CLASS S.
  - 4. BEFORE MATCH DRILLING RIVET HOLES, VERIFY THE GLARE SHIELD FITS PROPERLY OVER THE EVAPORATOR ASSEMBLY.
  - 5. OPTIONAL: REMOVE COMPASS TO AID IN INSTALLATION OF EVAPORATOR AND GLARE SHIELD.
  - 6. MATCH DRILL Ø0.128/0.132.
  - 7. EQUIPMENT NOT PROVIDED IN KIT. INSTALLER TO PROCURE GLARE SHIELD DIRECTLY FROM AERONAUTICAL ACCESSORIES.
  - 8. REFERENCE DRAWING 505AC-524 FOR OTHER GLARE SHIELD MODIFICATIONS.
  - 9. TEST BONDED RESISTANCE BETWEEN PARTS IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 8-2 CLASS R - I (2.5 MILLIOHMS).
  - 10. AFTER INSTALLATION, COAT ALL VISIBLE FASTENER HEADS AND ANY METAL SURFACES OF THE AIR CONDITIONING SYSTEM LOCATED IN THE COCKPIT AREA WITH ONE LAYER OF FLAT BLACK FINISH PER MIL-PRF-85285 TYPE 1 CLASS H, COLOR 37038 BLACK.
  - 11. HOLES PART OF BASE AIRCRAFT S/N 65170 AND SUBSEQUENT, DRILL HOLES IF UNAVAILABLE
  - 12. 505AC-4400-20 APPLICABLE TO 505AC-440-1 KIT, S/N 65169 AND PREVIOUS

REVISION HISTORY						
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED	
08/08/16	PR3	IN SECT. D-D AND DETAIL A, REPLACED MS20470AD3-4-5 RIVETS WITH CR3213-4-02 10 PLCS EACH; ADDED SECT H-H AND I-I; ADDED NOTE 5; REPLACED SECT. D-D WITH SECT. I-I.	JT	LS	JT	
03/02/17	A	IN DETAIL E, CHANGED THE COUNTERSINK HOLE DIA WAS 0.098; ADDED NOTE 3 TO VIEW G-G AND H-H; REMOVED NAS1149DN832K WASHERS (4X) FROM VIEW H-H; CHANGED MATCH DRILL HOLE SIZE ON DETAIL A WAS 0.125/0.135; IN SECT. I-I ADDED NOTES 4 AND 6 AND HOLE DIA. 0.093/0.103; ADDED NOTE 6 TO DETAIL A; ADDED HOLE DIA. 0.63 TO SECT. I-I; ADDED HOLE EDGE DISTANCE 0.300 TO SECT. C-C; ADDED SECT. J-J; ADDED 505-024-105 GLARE SHIELD TO BOM AS REF; ADDED NOTE 7 AND 8; IN VIEW G-G ADDED #7 CALLOUT AND UPDATED FASTENER CALLOUTS; FOR NOTE 3 ADDED GROUNDING CLASS S.	JT	LS	JT	
3/31/17	B	REPLACED NAS1149C0332R WITH NAS1149F0332P, QTY 10 CR3213-4-02 WITH CR3213-5-02 DETAIL A, ADDED NOTE AND DIM WAS 3.400 IN SECTION C-C, ADDED LOCATION DIMENSIONS TO J-J, REMOVED AN743-12 AND CHANGED AN3-4A TO AN3-3A IN VIEW G-G.	EW	LS	JT	
6/2/17	C	ADDED NOTE 10	EW	LS	JT	
7/14/17	D	BOM ITEM 2 DESC. WAS FRT EVAPORATOR ASSY, REV B & C AUTHOR WAS ETW, FILLED IN CHECKED BY AND APPROVED INITIALS REVS PR3 TO B.	EW	LS	JT	
2/26/18	E	SHT. 1 NOTE 10 COLOR WAS 37208.	EW	LS	JT	
7/3/18	F	SHT 1, CHANGED TITLE WAS "-1 INSTALLATION" NOW "-3 INSTALLATION SHOWN", ADDED NOTE 11&12, ADDED AFT EVAPORATOR BUBBLE W/ NOTE 12; SHT 3, MADE HOLE DIMENSIONS REFERENCE, ADDED NOTE 11; SHT 4 MADE HOLE DIMENSIONS REFERENCE, ADDED NOTE 11; SHT 5 ADDED NOTE 3 TO VIEW G-G; 505AC-440-3 BOM ADDED FOR S/N 65170 AND SUBSEQUENT W/ BOM ITEMS 8 AND 11 CHANGED TO REFERENCE	ZA	LS	MEH	
4/10/19	G	SHT 4 SECTION C-C: CHANGED REAR EVAP HOLE LOCATIONS TO 3 DECIMAL PRECISION; SHT 5: MADE NOTE 3 FLAG SAME SIZE AS OTHERS; ADDED -5 CONFIGURATION BOM FOR RH FWD EVAP COMPATIBILITY, ITEM 12 DESCRIPTION ADDED "(PAINTED FLAT BLACK)"	ZA	LS	ZA	
8/12/19	H	UNNECESSARY -5 INSTALLATION REMOVED	ZA	LS	ZA	
1/15/20	J	ITEM 13 DESCRIPTION ADDED "(PAINTED FLAT BLACK)"	ZA	LS	ZA	
1/28/21	K	SHT 3: ADDED FWD ANGLE WITH NOTE TO REMOVE AND REPLACE FASTENERS, LOWERED SECTION DEPTH TO REMOVE UNNECESSARY HIDDEN LINE CLUTTER; BOM ITEMS 8 & 14: CORRECTED END OF P/N TO "-0X" FOR CONTINUITY	ZA	LS	MH	

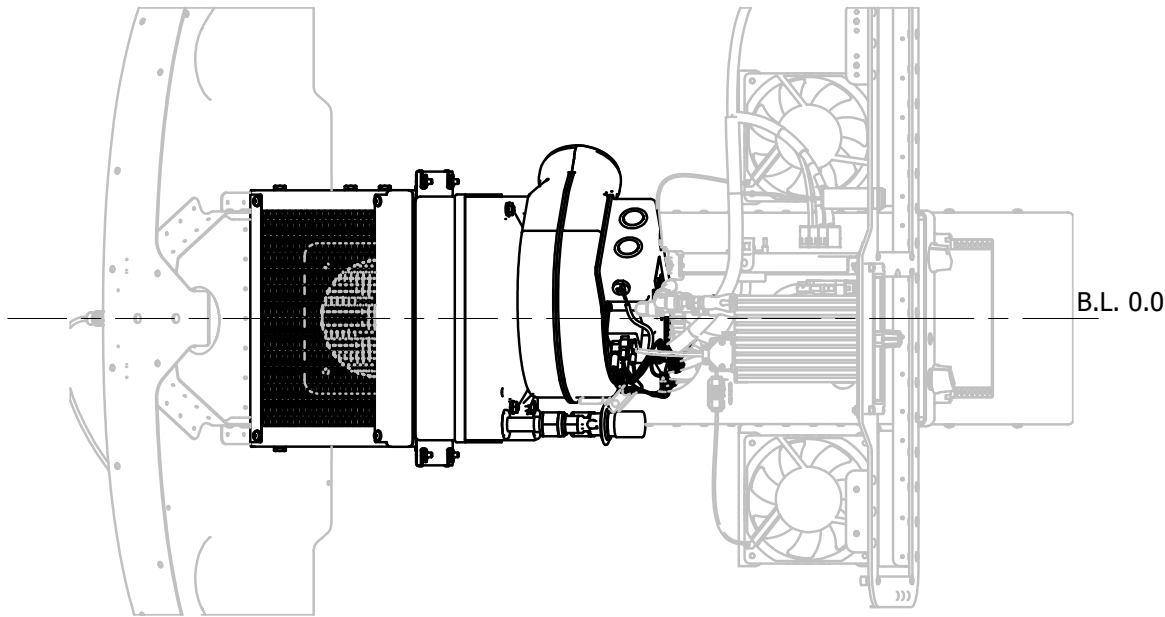


SIDE VIEW  
←----- FWD

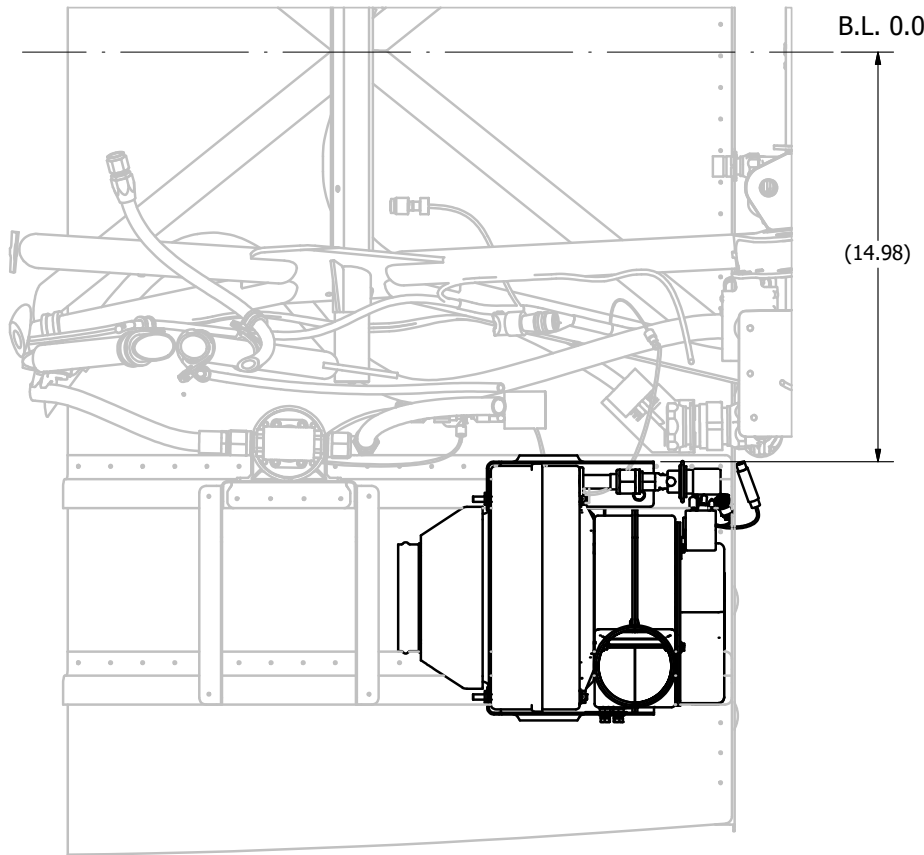
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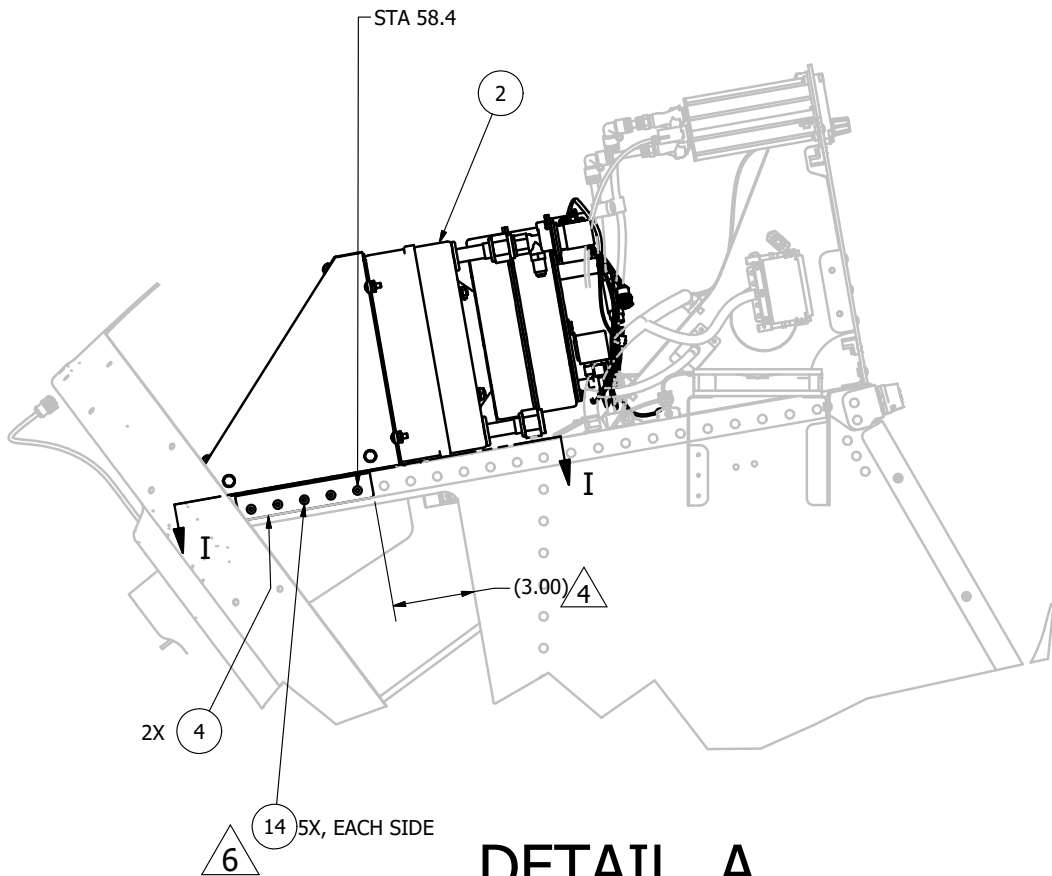
Paravion® Inc. Technology		TITLE EVAPORATOR INSTALLATION		DRAWING NUMBER 505AC-440	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES=± 1°	DRAWN BY KEW	CHK'D BY LS	APRVD. BY JT	DATE 5/14/15	REV K
	DO NOT SCALE DRAWING				SHEET 1 OF 6
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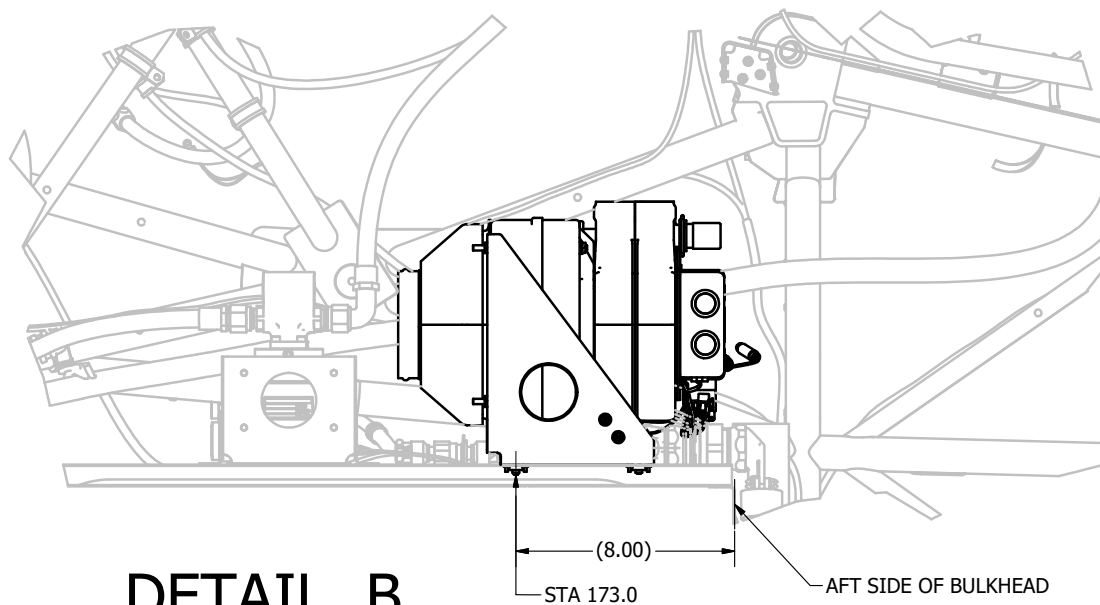
FORWARD EVAPORATOR OVERHEAD VIEW



AFT EVAPORATOR OVERHEAD VIEW



DETAIL A  
←----- FWD  
(SHROUD REMOVED FOR CLARITY)



DETAIL B  
←----- FWD

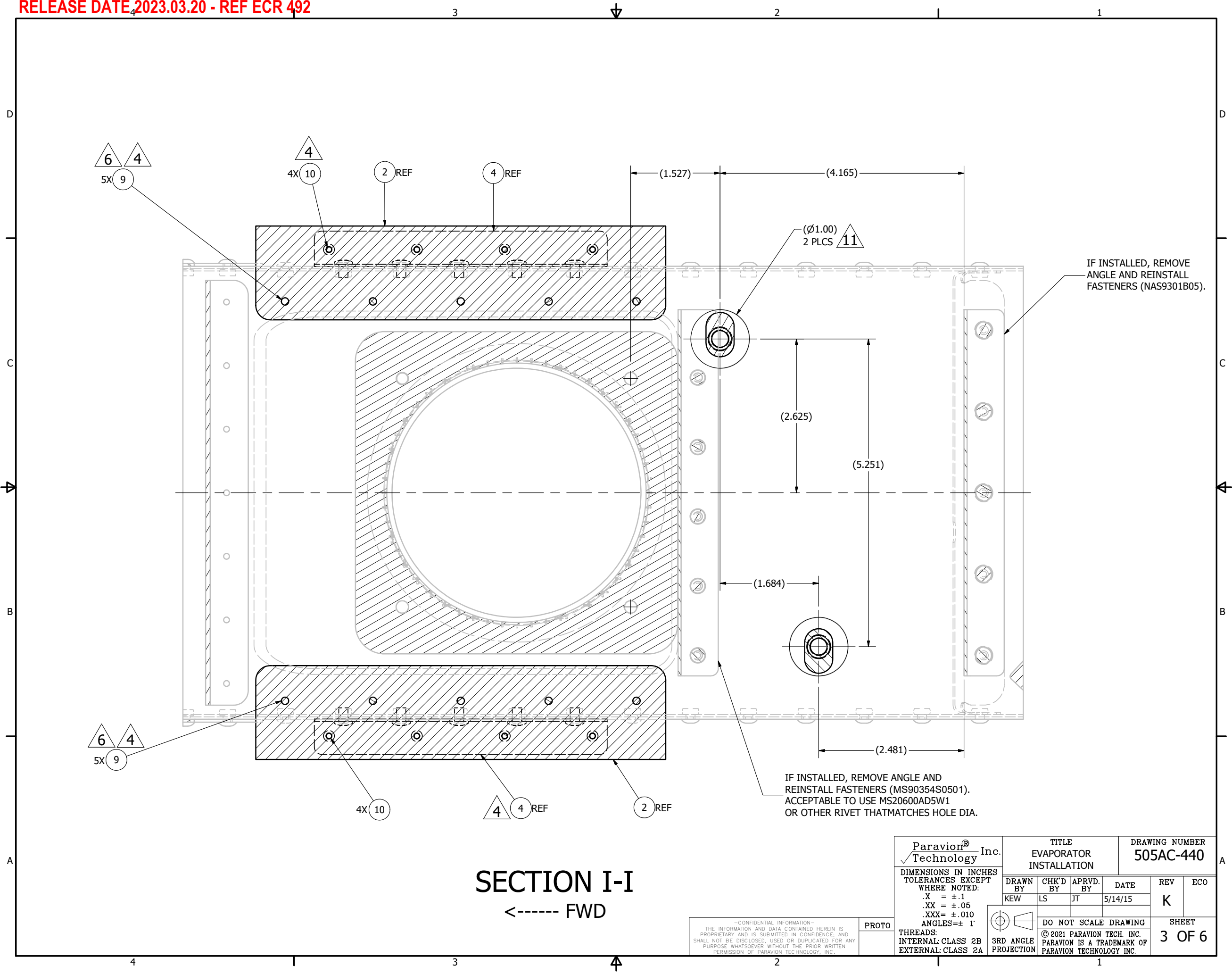
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Technology  
DIMENSIONS IN INCHES  
TOLERANCES EXCEPT  
WHERE NOTED:  
.X = ±.1  
.XX = ±.05  
.XXX = ±.010  
ANGLES = ± 1°  
THREADS:  
INTERNAL: CLASS 2B  
EXTERNAL: CLASS 2A

TITLE  
EVAPORATOR  
INSTALLATION  
DRAWN BY  
KEW  
CHK'D BY  
LS  
APRVD. BY  
JT  
DATE  
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REV  
K  
ECO  
SHEET  
2 OF 6



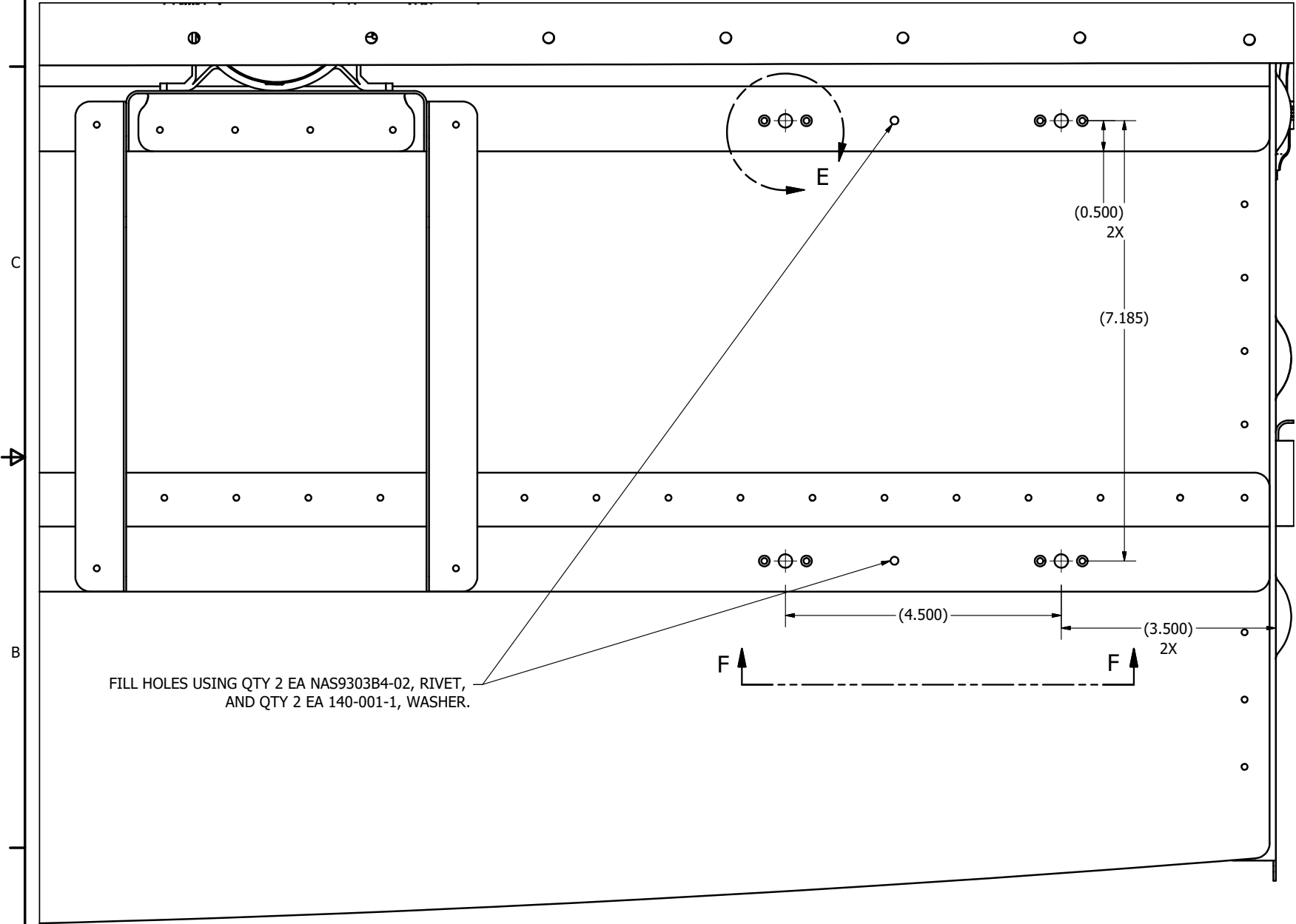
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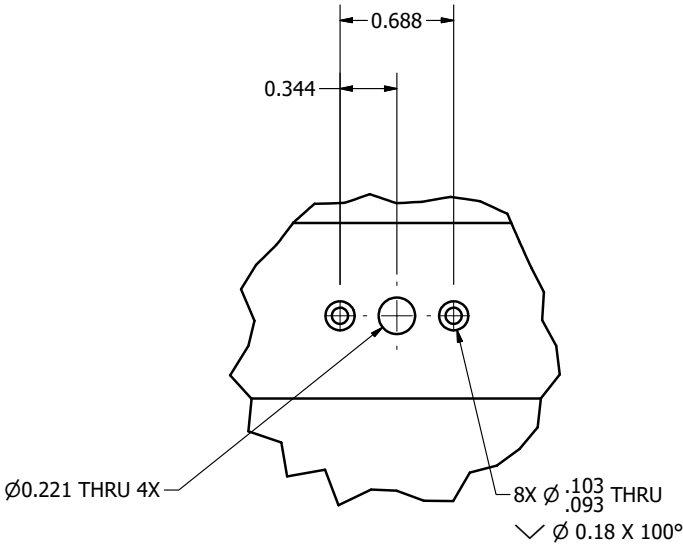
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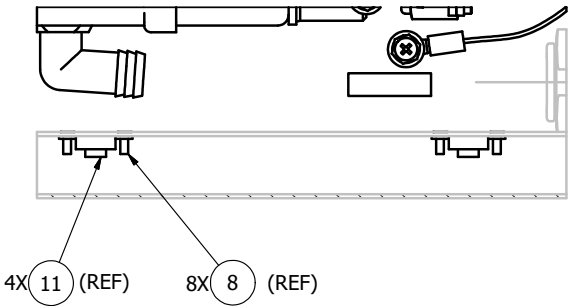
DRAWING NUMBER  
505AC-440  
REV  
K  
ECO  
SHEET  
3 OF 6



SECTION C-C  
VIEW LOOKING DOWN  
(PARTS REMOVED FOR CLARITY)  
<----- FWD



11 DETAIL E



SECTION F-F

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.XXX = ±.010  
ANGLES = ± 1°

THREADS:  
INTERNAL: CLASS 2B  
EXTERNAL: CLASS 2A



3RD ANGLE  
PROJECTION

TITLE  
EVAPORATOR  
INSTALLATION

DRAWN BY	CHK'D BY	APRVD. BY	DATE
KEW	LS	JT	5/14/15

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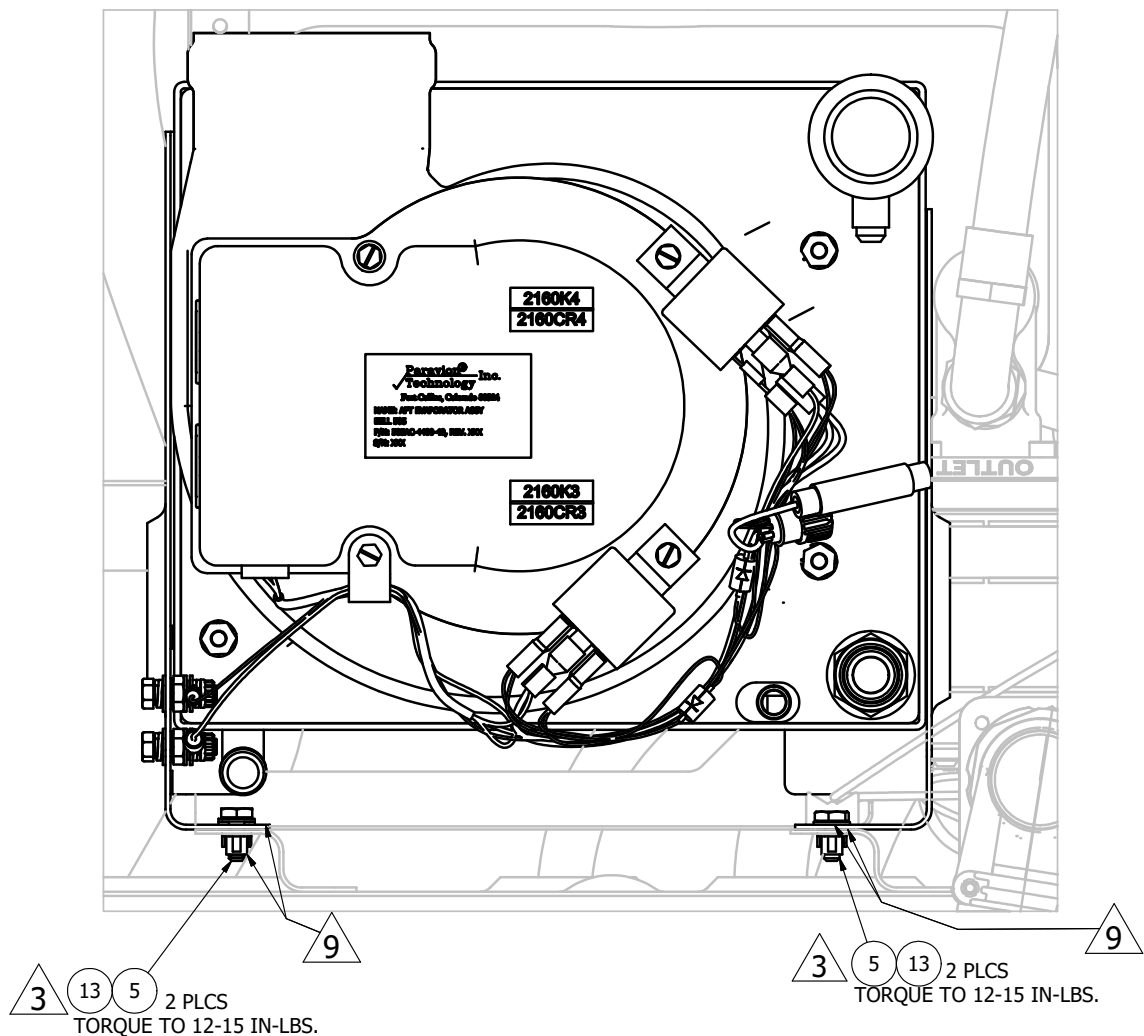
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REV	ECO
K	

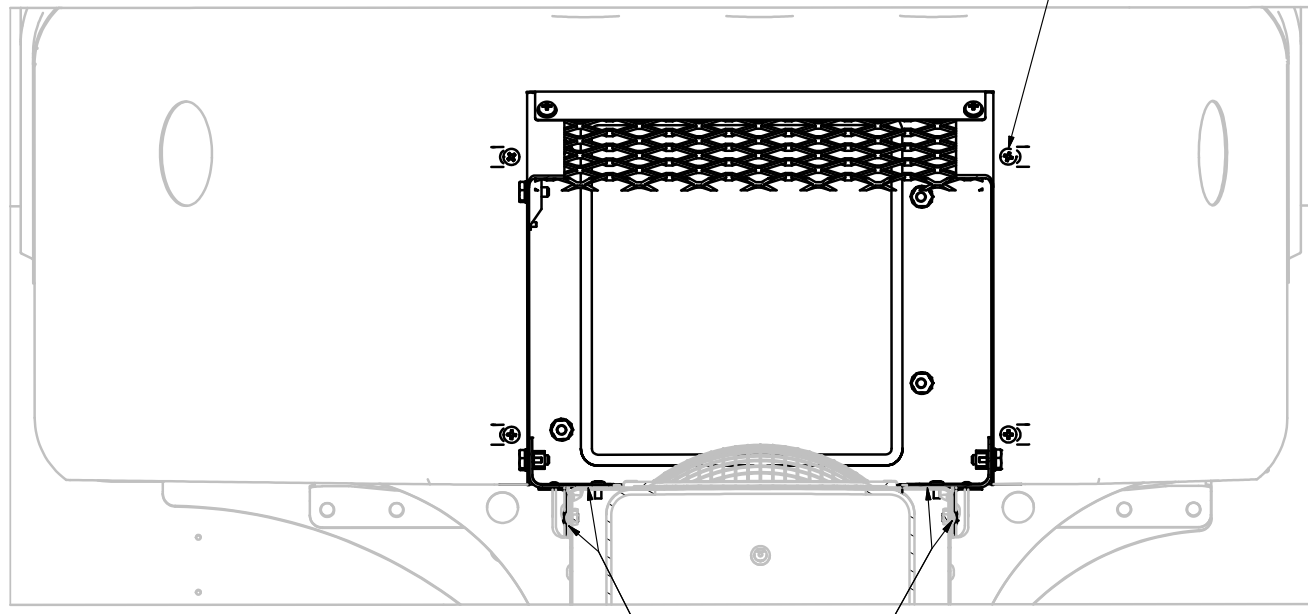
SHEET  
4 OF 6

D  
C  
B  
A

D  
C  
B  
A



VIEW G-G



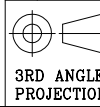
SECTION H-H

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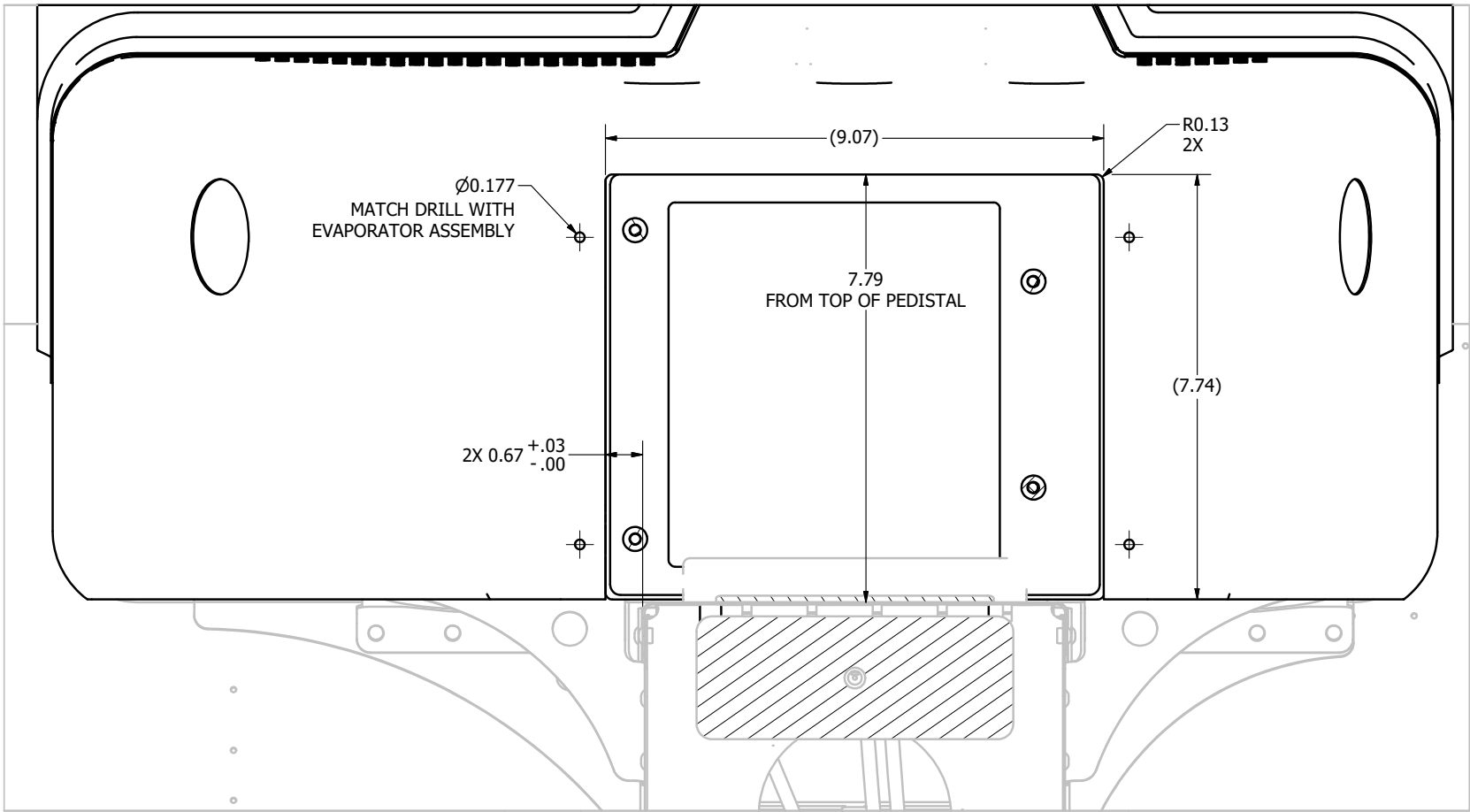
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Paravion® Inc.  
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ANGLES = ± 1°  
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
TITLE				DRAWING NUMBER	
EVAPORATOR INSTALLATION				505AC-440	
DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
KEW	LS	JT	5/14/15	K	
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3RD ANGLE  
PROJECTION



SECTION J-J   
GLARE SHIELD MODIFICATION  
(EVAP OMITTED FOR CLARITY)

Paravion® Technology Inc.		TITLE EVAPORATOR INSTALLATION		DRAWING NUMBER 505AC-440	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES=± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV
	KEW	LS	JT	5/14/15	K
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PROTO

# Bill of Materials

\*505AC-440-1, REV. K

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-440-1, REV. K	EVAPORATOR INSTALLATION	1	KIT
1	505-024-105	BELL GLARE SHIELD (REF)	1	EA
2	505AC-4400-1	FWD EVAPORATOR ASSY	1	EA
3	505AC-4400-20	AFT EVAPORATOR ASSY	1	EA
4	505AC-4400-7	FWD STIFFENER	2	EA
5	AN3-3A	BOLT	4	EA
8	CCR264SS3-03	RIVET	8	EA
9	CR3213-4-02	RIVET	10	EA
10	MS20470AD3-3.5	RIVET	8	EA
11	MS21059L3	NUT PLATE FLOATING	4	EA
12	MS27039-0807	SCREW (PAINTED FLAT BLACK)	4	EA
13	NAS1149F0332P	WASHER (PAINTED FLAT BLACK)	4	EA
14	CR3213-5-02	RIVET	10	EA

# Bill of Materials

\*505AC-440-3, REV. K

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*505AC-440-3, REV. K	EVAPORATOR INSTALLATION	1	KIT
1	505-024-105	BELL GLARE SHIELD (REF)	1	EA
2	505AC-4400-1	FWD EVAPORATOR ASSY	1	EA
3	505AC-4400-40	AFT EVAPORATOR ASSY	1	EA
4	505AC-4400-7	FWD STIFFENER	2	EA
5	AN3-3A	BOLT	4	EA
8	CCR264SS3-03	RIVET (REF)	8	EA
9	CR3213-4-02	RIVET	10	EA
10	MS20470AD3-3.5	RIVET	8	EA
11	MS21059L3	NUT PLATE FLOATING (REF)	4	EA
12	MS27039-0807	SCREW (PAINTED FLAT BLACK)	4	EA
13	NAS1149F0332P	WASHER (PAINTED FLAT BLACK)	4	EA
14	CR3213-5-02	RIVET	10	EA